



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 1 of 8

United States Gypsum Company  
125 South Franklin Street  
Chicago, Illinois 60680-4124  
A Subsidiary of USG Corporation

Product Safety: 1 (800) 507-8899  
[www.usg.com](http://www.usg.com)  
Version Date: July 6, 2004  
Version: 7

### SECTION 1

#### CHEMICAL PRODUCT AND IDENTIFICATION

**PRODUCT:** USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

**CHEMICAL FAMILY:** An aqueous mixture of minerals and an emulsion polymer

### SECTION 2

#### COMPOSITION, INFORMATION ON INGREDIENTS

MATERIAL	WT%	TLV (mg/m <sup>3</sup> )	PEL (mg/m <sup>3</sup> )	CAS NUMBER
Limestone	>35	10	15 (T) / 5 (R)	1317-65-3
Or Dolomite		10	15 (T) / 5 (R)	16389-88-1
Or Gypsum (CaSO <sub>4</sub> •2H <sub>2</sub> O)		10	15 (T) / 5 (R)	13397-24-5
Water	>40	(NE)	(NE)	7732-18-5
Expanded Perlite	<10	10	15 (T) / 5 (R)	93763-70-3
Vinyl Acetate Polymer	<10	(NE)	(NE)	9003-20-7
Or Ethylene Vinyl Acetate Polymer		(NE)	(NE)	24937-78-8
Attapulgate	<5	(NE)	(NE)	12174-11-7
Crystalline Silica	<2	0.05 (R)	0.1 (R)	14808-60-7

(T) – Total (R) – Respirable (NE) – Not Established mmpfc - million particles per cubic foot of air  
Respirable crystalline silica: IARC: Group 1 carcinogen, NTP: Known human carcinogen. The weight percent for silica represents total quartz and not the respirable fraction. Industrial hygiene atmospheric respirable crystalline silica testing during the use and application of USG joint compounds did not detect any concentration of respirable crystalline silica exposure.



Food and Drug Administration [CFR Title 21, v.3, sec 184.1409] – Ground limestone is Generally Recognized as Safe (GRAS).



Food and Drug Administration [CFR Title 21, v.3, sec 184.1230] – Calcium Sulfate is Generally Recognized as Safe (GRAS).

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory. All components of this product are included in the Canadian Domestic Substances List.

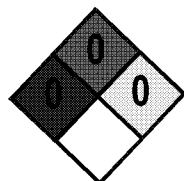
### SECTION 3

#### HAZARD IDENTIFICATION

##### INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings:

Health: 0  
Fire: 0  
Reactivity: 0



HIMS Ratings:

Health: \*0  
Fire: 0  
Reactivity: 0

HEALTH	*	0
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		E

0 = Minimal Hazard  
1 = Slight Hazard  
2 = Moderate Hazard  
3 = Serious Hazard  
4 = Severe Hazard

Personal Protection: Use eye and skin protection. Use NIOSH/MSHA-approved respiratory protection when necessary.

\*Respirable crystalline silica can cause lung disease and/or cancer. E- Safety glasses, gloves and dust respirator

**EMERGENCY OVERVIEW:** This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract.



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 2 of 8

### SECTION 3 HAZARD IDENTIFICATION (continued)

#### POTENTIAL HEALTH EFFECTS

##### ACUTE:

**Eyes:** Airborne dust during sanding or direct contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

**Skin:** Direct, prolonged or repeated contact with the skin may cause irritation.

**Inhalation:** Inhalation of dust during sanding can irritate the nose, throat, and the upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.

**Ingestion:** If ingested may cause temporary irritation to the gastrointestinal tract, especially the stomach. No known effects.

##### CHRONIC:

**Eyes:** None known.

**Skin:** None known.

**Ingestion:** No known effects.

**Inhalation:** Industrial hygiene atmospheric respirable crystalline silica testing during the use and application of USG joint compounds did not detect any concentration of respirable crystalline silica exposure. Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing.

Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

**TARGET ORGANS:** Eyes, skin and respiratory system.

**PRIMARY ROUTES OF ENTRY:** Inhalation, eyes and skin contact.

### SECTION 4 FIRST AID MEASURES

#### FIRST AID PROCEDURES

**Eyes:** In case of contact, do not rub or scratch your eyes. Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult physician.

**Skin:** Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation persists, consult physician.

**Inhalation:** Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact physician.

**Ingestion:** This product is not intended to be ingested or eaten. No harmful effects expected. No specific recommendations. If gastric disturbance occurs, call physician.

**MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:** Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 3 of 8

### SECTION 5 FIRE FIGHTING MEASURES

<b>General Fire Hazards:</b>	Not expected to burn.		
<b>Extinguishing Media:</b>	Water or use extinguishing media appropriate for surrounding fire.		
<b>Special Fire Fighting Procedures:</b>	Wear appropriate personal protective equipment (See section 8).		
<b>Unusual Fire &amp; Explosion Hazards:</b>	None		
<b>Hazardous Combustion Products:</b>	Above 800° C – limestone may decompose to calcium oxide (CaO) and carbon dioxide (CO <sub>2</sub> ). Above 175° C – polyvinyl acetate may decompose to H <sub>2</sub> O, CO <sub>2</sub> , CO, and acetic acid, could produce vinyl acetate monomers.		
<b>Flash Point:</b>	None Known	<b>Auto Ignition:</b>	Not Applicable
<b>Method Used:</b>	Not Applicable	<b>Flammability Classification:</b>	Not Applicable
<b>Upper Flammable Limit (UFL):</b>	Not Applicable	<b>Rate of Burning:</b>	Not Applicable
<b>Lower Flammable Limit (LFL):</b>	Not Applicable		

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**CONTAINMENT:**

No special precautions. Wear appropriate personal protection (See Section 8).

**CLEAN-UP:**

Use normal clean up procedures. Wear appropriate protective equipment. Ventilate area. Floor may be slippery; use care to avoid falling. Shovel or scoop up material from spillage into a waste container for disposal.

**DISPOSAL:**

Follow all local, state, provincial and federal regulations. Never discharge large releases directly into sewers or surface waters. Trace amounts of residue can be flushed to a drain, using plenty of water.

### SECTION 7 HANDLING AND STORAGE

**HANDLING:**

When sanding, minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Avoid dust contact with eyes. Wear the appropriate eye protection against dust (See Section 8).

Use good safety and industrial hygiene practices.

**STORAGE:**

Store at room temperature in a dry location.

Protect from freezing, extreme heat, and exposure to direct sunlight.

Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Close container and discard properly.

Keep tightly sealed following use.



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 4 of 8

### SECTION 8

#### EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Provide ventilation sufficient to control airborne dust levels especially respirable crystalline silica.

If user operations generate airborne dust, use ventilation to keep dust concentrations below permissible exposure limits (See Section 2).

Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust levels below permissible exposure limits (see Section 2). If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

**RESPIRATORY PROTECTION:**

Wear a NIOSH/MSHA-approved respirator equipped with particulate cartridges when dusty in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**OTHER PERSONAL PROTECTIVE EQUIPMENT:**

**Eye/Face:** Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye.

**Skin:** Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. For brief contact, no precautions other than clean body-covering clothing should be needed. Wear gloves and protective clothing to prevent repeated or prolonged skin contact. Barrier creams or skin lotion may be applied to face, neck, wrist and hands when skin is exposed to help prevent drying of skin.

**General:** Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

### SECTION 9

#### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Gray to off white	<b>Odor</b>	Low to no odor
<b>Physical State</b>	Paste	<b>pH</b>	~ 7-8.5
<b>Vapor Pressure</b>	17@20 °F	<b>Vapor Density</b>	Same as water
<b>Boiling Point</b>	212 °F	<b>Freezing Point</b>	32 °F
<b>Melting Point</b>	Not Applicable	<b>Solubility (H<sub>2</sub>O)</b>	Slight, unlimited dispersibility
<b>Specific Gravity</b>	1.3-1.4	<b>Particle Size</b>	99% Finer than 250 microns
<b>Softening Point</b>	Not Applicable	<b>Evaporation Rate</b>	Not Applicable
<b>Viscosity</b>	450-700 Brabender Units at 20 °C	<b>Bulk Density</b>	1.3-1.4 Kg/Litre
<b>Percent Volatile</b>	48-50	<b>Molecular Weight</b>	Mixture
<b>VOC Content</b>	<2 g/l		

### SECTION 10

#### CHEMICAL STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Contact with incompatibles.

**INCOMPATIBILITY:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Above 800° C – limestone may decompose to calcium oxide (CaO) and carbon dioxide (CO<sub>2</sub>). Above 1450° C - decomposes to calcium oxide (CaO) and sulfur dioxide (SO<sub>2</sub>). Above 175° C – polyvinyl acetate may decompose to H<sub>2</sub>O, CO<sub>2</sub>, CO, and acetic acid, could produce vinyl acetate monomers.



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 5 of 8

### SECTION 11 TOXICOLOGICAL INFORMATION

#### ACUTE EFFECTS:

Direct contact may cause eye, skin and/or respiratory irritation.

LD<sub>50</sub>: Not Available for product.

LC<sub>50</sub>: Not Available for product.

#### CHRONIC EFFECTS / CARCINOGENICITY:

**Crystalline silica:** Industrial hygiene atmospheric respirable crystalline silica testing during the use and application of USG joint compounds did not detect any concentration of respirable crystalline silica exposure. Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing.

Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

In June, 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen. In making the overall evaluation, the IARC Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.

IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

**Vinyl acetate/acetaldehyde/formaldehyde:** A component of this product is a common emulsion polymer most familiar as the component of ordinary white glue which exhibits the "sticky" characteristic. The emulsion polymer is not classified as a carcinogen by IARC, NTP or ACGIH. However, trace amounts of residual vinyl acetate monomers, acetaldehyde and formaldehyde may be associated with the production of the emulsion polymer.

Any exposure to vinyl acetate monomer, acetaldehyde, or formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

Industrial hygiene atmospheric formaldehyde testing during the use and application of USG joint compounds did not detect any concentration of formaldehyde exposure.

### SECTION 12 ECOLOGICAL INFORMATION

**ENVIRONMENTAL TOXICITY:** This product has no known adverse effect on the ecology. A large discharge directly into waterways would not be expected to kill aquatic life.

**Ecotoxicity value:** Not determined.

### SECTION 13 DISPOSAL CONSIDERATIONS

#### WASTE DISPOSAL METHOD:

Dispose of material in accordance with Federal, State, Provincial, and Local regulations. Consult with environmental regulatory agencies for guidance on acceptable disposal practices. Never discharge directly into sewers or surface waters.



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 6 of 8

### SECTION 14

#### TRANSPORT INFORMATION

**U.S. DOT INFORMATION:** Not a hazardous material per DOT shipping requirements. Not classified or regulated.

**Shipping Name** Same as product name.  
**Hazard Class:** Not classified  
**UN/NA #:** None. Not classified.  
**Packing Group:** None.  
**Label (s) Required:** Not applicable.  
**GGVSec/MDG-Code:** Not classified.  
**ICAO/IATA-DGR:** Not applicable.  
**RID/ADR:** None  
**ADNR:** None

### SECTION 15

#### REGULATORY INFORMATION

#### UNITED STATES REGULATIONS

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

MATERIAL	WT%	302	304	313	CERCLA	CAA Sec. 112	RCRA Code
Limestone	>35	NL	NL	NL	NL	NL	NL
Or Dolomite		NL	NL	NL	NL	NL	NL
Or Gypsum (CaSO <sub>4</sub> •2H <sub>2</sub> O)		NL	NL	NL	NL	NL	NL
Water	>40	NL	NL	NL	NL	NL	NL
Expanded Perlite	<10	NL	NL	NL	NL	NL	NL
Vinyl Acetate Polymer	<10	NL	NL	NL	NL	NL	NL
Or Ethylene Vinyl Acetate Polymer		NL	NL	NL	NL	NL	NL
Attapulgite	<5	NL	NL	NL	NL	NL	NL
Crystalline Silica	<2	NL	NL	NL	NL	NL	NL

Key : NL = Not Listed

SARA Title III Section 302 (EPCRA) Extremely Hazardous Substances: Threshold Planning Quantity (TPQ)

SARA Title III Section 304 (EPCRA) Extremely Hazardous Substances: Reportable Quantity (RQ)

SARA Title III Section 313 (EPCRA) Toxic Chemicals: X= Subject to reporting under section 313

CERCLA Hazardous Substances: Reportable Quantity (RQ)

CAA Section 112 (r) Regulated Chemicals for Accidental Release Prevention: Threshold Quantities(TQ)

RCRA Hazardous Waste: RCRA hazardous waste code



Food and Drug Administration [CFR Title 21, v.3, sec 184.1409] – Ground limestone is Generally Recognized as Safe (GRAS).



Food and Drug Administration [CFR Title 21, v.3, sec 184.1230] – Calcium Sulfate is Generally Recognized as Safe (GRAS).



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 7 of 8

### SECTION 15 REGULATORY INFORMATION (continued)

#### CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. All components of this product are included in the Canadian Domestic Substances List (DSL).

MATERIAL	WT%	IDL Item #	WHMIS Classification:
Limestone	>35	Not Listed	D2A
Or Dolomite		Not Listed	Not Listed
Or Gypsum (CaSO <sub>4</sub> •2H <sub>2</sub> O)		Not Listed	Not Listed
Water	>40	Not Listed	Not Listed
Expanded Perlite	<10	Not Listed	D2A
Vinyl Acetate Polymer	<10	Not Listed	Not Listed
Or Ethylene Vinyl Acetate Polymer		Not Listed	Not Listed
Attapulgite	<5	Not Listed	Not Listed
Crystalline Silica	<2	1406	D2A

IDL Item # : Canadian Hazardous Products Act – Ingredient Disclosure List Item #

WHMIS Classification: Workplace Hazardous Material Information System

#### CARCINOGENICITY CLASSIFICATION OF INGREDIENT(S)

All substances listed are associated with the nature of the raw materials used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits. See Section 11 : Toxicology Information for detailed information

MATERIAL	IARC	NTP	ACGIH	CAL- 65
Respirable Crystalline Silica	1	1	A2	Listed
Vinyl Acetate Monomer	2B	Not Listed	A3	Not Listed
Acetaldehyde	2B	2	A3	Listed
Formaldehyde	1	2	A2	Listed

IARC – International Agency for Research on Cancer (World Health Organization)

1- Carcinogenic to humans

2A – Probably carcinogenic to humans

2B – Possibly carcinogenic to humans

3 - Not classifiable as a carcinogen

4 – Probably not a carcinogen

NTP – National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS)

1- Known to be carcinogen

2- Anticipated to be carcinogens

ACGIH – American Conference of Governmental Industrial Hygienists

A1 – Confirmed human carcinogen

A2 – Suspected human carcinogen

A3 – Animal carcinogen

A4 - Not classifiable as a carcinogen

A5 – Not suspected as a human carcinogen



# MATERIAL SAFETY DATA SHEET

## USG SHEETROCK® Brand Lightweight All Purpose Joint Compound Plus 3™ Ready Mixed

MSDS # 61-370-002

Page 8 of 8

CAL-65 – California Proposition 65 “Chemicals known to the State of California to Cause Cancer”

### SECTION 16 OTHER INFORMATION

#### Label Information

##### ⚠WARNING!

Dust created from product may cause eye, skin, nose, throat or upper respiratory irritation. When sanding, avoid inhalation of dust and eye contact. Use in a well-ventilated area. Wear a NIOSH/MSHA-approved respirator when dusty. Use proper ventilation to reduce dust exposure. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call physician. Wash thoroughly with soap and water after use. Do not ingest. If ingested, call physician. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Close container and discard properly.

Product safety information: (800) 507-8899 or [www.usg.com](http://www.usg.com)

**KEEP OUT OF REACH OF CHILDREN.**

#### Key/Legend

Threshold Limit Value

TLV

Permissible Exposure Limit

PEL

Chemical Abstracts Service (Registry Number)

CAS

National Institute for Occupational Safety and Health

NIOSH

Mine Safety and Health Administration

MSHA

Occupational Health and Safety Administration

OSHA

American Conference of Governmental Industrial Hygienists

ACGIH

International Agency for Research on Cancer

IARC

United States Department of Transportation

DOT

United States Environmental Protection Agency

EPA

National Fire Protection Association

NFPA

Hazardous Materials Identification System

HMIS

Personal Protection Equipment

PPE

Toxic Substances Control Act

TSCA

Canadian Domestic Substances List

DSL

Canadian Non-Domestic Substances List

NDSL

Superfund Amendments and Reauthorization Act of 1986

SARA

Resource Conservation and Recovery Act

RCRA

Comprehensive Environmental Response, Compensation and Liability Act of 1980

CERCLA

United Nations/North America number

UN/NA#

Code of Federal Regulations

CFR

Workplace Hazardous Material Information System

WHMIS

#### Prepared by:

Product Safety

USG Corporation

125 South Franklin St.

Chicago, Illinois 60606

END